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**NOTICE OF ALLOWANCE AND ISSUE FEE DUE**

HM11/0212

LISA A HAILE  
FISH & RICHARDSON  
4225 EXECUTIVE SQUARE  
SUITE 1400  
LA JOLLA CA 92037

APPLICATION NO.	FILING DATE	TOTAL CLAIMS	EXAMINER AND GROUP ART UNIT	DATE MAILED
08/712,302	09/11/96	003	SPECTOR, L	1646 02/12/98
First Named Applicant	GROTENDORST, GARY R.			

TITLE OF INVENTION TREATMENT OF CELL PROLIFERATIVE DISORDERS USING ANTIBODIES WHICH BIND CONNECTIVE TISSUE GROWTH FACTORS (AS AMENDED)

ATTY'S DOCKET NO.	CLASS-SUBCLASS	BATCH NO.	APPLN. TYPE	SMALL ENTITY	FEES DUE	DATE DUE
1 07414/002003	424-158.100	A43	UTILITY	YES	\$660.00	05/12/98

**THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT.  
PROSECUTION ON THE MERITS IS CLOSED.**

**THE ISSUE FEE MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED.**

**HOW TO RESPOND TO THIS NOTICE:**

- I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as yes, verify your current SMALL ENTITY status:

If the SMALL ENTITY is shown as NO:

- A. If the status is changed, pay twice the amount of the FEE DUE shown and notify the Patent and Trademark Office of the change in status, or

A. Pay FEE DUE shown above, or

- B. If the status is the same, pay the FEE DUE shown above.

B. File verified statement of Small Entity Status before, or with, payment of 1/2 the FEE DUE shown above.

- II. Part B of this notice should be completed and returned to the Patent and Trademark Office (PTO) with your ISSUE FEE. Even if the ISSUE FEE has already been paid by charge to deposit account, Part B should be completed and returned. If you are charging the ISSUE FEE to your deposit account, section "6b" of Part B should be completed.

- III. All communications regarding this application must give application number and batch number.

Please direct all communication prior to issuance to Box ISSUE FEE unless advised to the contrary.

**IMPORTANT REMINDER: Patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.**



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SERIAL NUMBER	FILING DATE	FIRST NAMED APPLICANT	ATTORNEY DOCKET NO.
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EXAMINER

ART UNIT	PAPER NUMBER
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8/c

DATE MAILED:

### NOTICE OF ALLOWABILITY

#### PART I.

1.  This communication is responsive to Amendment filed 12/29/97.
2.  All the claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice Of Allowance And Issue Fee Due or other appropriate communication will be sent in due course.
3.  The allowed claims are 22-24.
4.  The drawings filed on \_\_\_\_\_ are acceptable.
5.  Acknowledgment is made of the claim for priority under 35 U.S.C. 119. The certified copy has [...] been received. [...] not been received. [...] been filed in parent application Serial No. \_\_\_\_\_ filed on \_\_\_\_\_.
6.  Note the attached Examiner's Amendment.
7.  Note the attached Examiner Interview Summary Record, PTO-413.
8.  Note the attached Examiner's Statement of Reasons for Allowance.
9.  Note the attached NOTICE OF REFERENCES CITED, PTO-892.
10.  Note the attached INFORMATION DISCLOSURE CITATION, PTO-1449.

#### PART II.

A SHORTENED STATUTORY PERIOD FOR RESPONSE to comply with the requirements noted below is set to EXPIRE THREE MONTHS FROM THE "DATE MAILED" indicated on this form. Failure to timely comply will result in the ABANDONMENT of this application. Extensions of time may be obtained under the provisions of 37 CFR 1.136(a).

1.  Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL APPLICATION, PTO-152, which discloses that the oath or declaration is deficient. A SUBSTITUTE OATH OR DECLARATION IS REQUIRED.
2.  APPLICANT MUST MAKE THE DRAWING CHANGES INDICATED BELOW IN THE MANNER SET FORTH ON THE REVERSE SIDE OF THIS PAPER.
  - a.  Drawing informalities are indicated on the NOTICE RE PATENT DRAWINGS, PTO-948, attached hereto or to Paper No. \_\_\_\_\_. CORRECTION IS REQUIRED.
  - b.  The proposed drawing correction filed on \_\_\_\_\_ has been approved by the examiner. CORRECTION IS REQUIRED.
  - c.  Approved drawing corrections are described by the examiner in the attached EXAMINER'S AMENDMENT. CORRECTION IS REQUIRED.
  - d.  Formal drawings are now REQUIRED.

Any response to this letter should include in the upper right hand corner, the following information from the NOTICE OF ALLOWANCE AND ISSUE FEE DUE: ISSUE BATCH NUMBER, DATE OF THE NOTICE OF ALLOWANCE, AND SERIAL NUMBER.

#### Attachments:

- Examiner's Amendment  
 Examiner Interview Summary Record, PTO-413  
 Reasons for Allowance  
 Notice of References Cited, PTO-892  
 Information Disclosure Citation, PTO-1449

- Notice of Informal Application, PTO-152  
 Notice re Patent Drawings, PTO-948  
 Listing of Bonded Draftsmen  
 Other

Lorraine Spector  
LORRAINE M. SPECTOR  
PATENT EXAMINER  
GROUP 1800

#8/c

Serial Number 08/712302

Art Unit ~~1812~~ 1646

**Part III: EXAMINER'S AMENDMENT**

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

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Authorization for this examiner's amendment was given in a telephone interview with Lisa Haile on 2/3/98.

**The application has been amended as follows:**

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Amend the Title to read: --Treatment of cell proliferative disorders using antibodies which bind Connective Tissue Growth Factor --

Replace the Abstract (page 39) with the attached Abstract.

Claim 22 has been rewritten as follows:

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i -~~22~~ A method for ameliorating a cell proliferative disorder ~~associated with Connective Tissue Growth Factor (CTGF)~~, comprising administering to a subject having said disorder, at the site of the disorder, a composition comprising a therapeutically effective amount of an antibody or fragment thereof that binds to CTGF, wherein said antibody or fragment thereof does not bind to PDGF.--

C  
Cancel Claim 27.

Cancel non-elected claims 17-21 and 28.

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**Advisory Information:**

The allowed claims, 22-24, have been renumbered 1-3, respectively.

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**Effective February 7, 1998,** the Group and/or Art Unit location of your application in the PTO has changed. To aid in correlating any papers for this application, all further correspondence regarding this application should be directed to

Art Unit **1646**.

Any inquiry concerning this communication or earlier communications from the Examiner should be directed to Lorraine M. Spector, whose telephone number is (703) 308-1793. Dr. Spector

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Serial Number 08/712302  
Art Unit 1812

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can normally be reached Monday through Friday, 8:00 A.M. to 4:30 P.M.

If attempts to reach the Examiner by telephone are unsuccessful, the Examiner's supervisor, Dr. Stephen Walsh, can be reached at (703)308-2957.

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Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Group receptionist at telephone number (703) 308-0196.

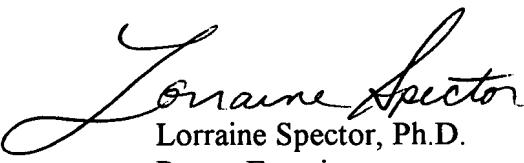
10 Certain papers related to this application may be submitted to Group 1800 by facsimile transmission. Papers should be faxed to Group 1800 via the PTO Fax Center located in Crystal Mall 1 (CM1). The faxing of such papers must conform with the notices published in the Official Gazette, 1156 OG 61 (November 16, 1993) and 1157 OG 94 (December 28, 1993) (see 37 C.F.R. § 1.6(d)).

15 NOTE: If Applicant *does* submit a paper by fax, the original signed copy should be retained by applicant or applicant's representative. NO DUPLICATE COPIES SHOULD BE SUBMITTED so as to avoid the processing of duplicate papers in the Office.

Official papers filed by fax should be directed to (703) 305-4242. Faxed draft or informal communications with the examiner should be directed to (703) 308-0294. Please advise the Examiner at the telephone number above when an informal fax is being transmitted.

20 Communications via Internet e-mail regarding this application, other than those under 35 U.S.C. 132 or which otherwise require a signature, may be used by the applicant and should be addressed to [stephen.walsh@uspto.gov].

25 All Internet e-mail communications will be made of record in the application file. PTO employees do not engage in Internet communications where there exists a possibility that sensitive information could be identified or exchanged unless the record includes a properly signed express waiver of the confidentiality requirements of 35 U.S.C. 122. This is more clearly set forth in the Interim Internet Usage Policy published in the Official Gazette of the Patent and Trademark on February 25, 1997 at 1195 OG 89.

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Lorraine Spector, Ph.D.  
Patent Examiner

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40 LMS  
712302.all  
2/3/98

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### ABSTRACT

C<sup>2</sup>

Connective Tissue Growth Factor (CTGF) is a polypeptide growth factor for connective tissue cells. CTGF is related immunologically and biologically to PDGF, but is the product of a distinct gene. CTGF, nucleic acids encoding CTGF, means for producing CTGF, anti-CTGF antibodies, diagnostic and therapeutic methods for using CTGF, and methods for inhibition or stimulation of CTGF activity are disclosed.

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